

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/EP2004/007248

A. CLASSIFICATION OF SUBJECT MATTER

C07D215/12 G01N33/58 C07D215/14 C07D215/20 C07D215/38
C07D401/12 C07D405/12 C07D221/18 C07D471/04 C07D491/04
C07D491/14 C07D491/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PANCHUK-VOLOSHINA, NATALIYA ET AL: "Alexa dyes, a series of new fluorescent dyes that yield exceptionally bright, photostable conjugates" JOURNAL OF HISTOCHEMISTRY AND CYTOCHEMISTRY, 47(9), 1179-1188 CODEN: JHCYAS; ISSN: 0022-1554, 1999, XP002360485 the entire document, specifically page 1180, Column 1, lines 18-21 and the last paragraph; and page 1182, the compound "Alexa 430"	13, 16-18, 22-26
X	WO 02/099077 A2 (PROTEOLOGICS, INC., USA) 12 December 2002 (2002-12-12) the entire document; specifically page 28, the compound "Fluorescent coumarin 488"	17,18, 22-26

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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- *A* document member of the same patent family

Date of the actual completion of the international search

22 December 2005

Date of mailing of the international search report

05/01/2006

Name and mailing address of the ISA

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X	<p>GB 2 044 258 A (CHINOIN GYOGYSZER ES VEGYESZETI TERMEKEK GYARA RT) 15 October 1980 (1980-10-15) The entire document, specifically example 1</p>	1-3,6
X	<p>GB 2 054 582 A (MATERIAL VEGYIPARI SZOVETKEZET; HUMAN OLTOANYAGTERMELO ES KUTATO INTE) 18 February 1981 (1981-02-18) The entire document; specifically the examples</p>	1-3,5,6, 11,12
X	<p>WO 92/07833 A (BAER, VILMOSNEE, (LEGAL REPRESENTATIVE OF BAER, VILM; POLLAK, ZSUZSA;) 14 May 1992 (1992-05-14) the entire document; specifically claim 1 and example 3</p>	1-3,6
X	<p>WO 88/08420 A (MATERIAL VEGYIPARI KISSZOVETKEZET) 3 November 1988 (1988-11-03) the entire document, specifically, claim 1 and example 6</p>	1-3,6
X	<p>WO 87/00048 A (FERRIS EPITOEPARI) 15 January 1987 (1987-01-15) the entire document; specifically the connections with the formula (I) and the examples</p>	6,12
X	<p>GB 2 148 917 A (* KODAK LIMITED) 5 June 1985 (1985-06-05) claims 1,2 page 1, lines 59-61</p>	1-3,6,7
X	<p>GB 2 148 918 A (* KODAK LIMITED) 5 June 1985 (1985-06-05) claims 1,2 page 2, line 49 - line 52</p>	1-3,6,7

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X	GB 2 148 919 A (* KODAK LIMITED) 5 June 1985 (1985-06-05) claims 1,2 page 2, line 50 - line 53	1-3,6,7
X	GB 2 148 920 A (* KODAK LIMITED) 5 June 1985 (1985-06-05) claims 1,2 page 2, line 41 - line 43	1-3,6,7
A	WO 99/15517 A (MOLECULAR PROBES, INC; MAO, FEI; LEUNG, WAI-YEE; HAUGLAND, RICHARD, P) 1 April 1999 (1999-04-01) cited in the application the whole document	1-28

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C. DOCUMENTS CONSIDERED TO BE RELEVANT <table border="1"> <thead> <tr> <th>Category *</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>PANCHUK-VOLOSHINA, NATALIYA ET AL: "Alexa dyes, a series of new fluorescent dyes that yield exceptionally bright, photostable conjugates" JOURNAL OF HISTOCHEMISTRY AND CYTOCHEMISTRY, 47(9), 1179-1188 CODEN: JHCYAS; ISSN: 0022-1554, 1999, XP002360485 das ganze Dokument; im besonderen, Seite 1180, Spalte 1, Zeilen 18-21 und der letzte Absatz; und Seite 1182, die Verbindung "Alexa 430"</td> <td>13, 16-18, 22-26</td> </tr> <tr> <td>X</td> <td>WO 02/099077 A2 (PROTEOLOGICS, INC., USA) 12 December 2002 (2002-12-12) das ganze Dokument; im besonderen Seite 28, die Verbindung "Fluorescent coumarin 488"</td> <td>17, 18, 22-26</td> </tr> <tr> <td colspan="3" style="text-align: center;">-/-</td> </tr> </tbody> </table>			Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	PANCHUK-VOLOSHINA, NATALIYA ET AL: "Alexa dyes, a series of new fluorescent dyes that yield exceptionally bright, photostable conjugates" JOURNAL OF HISTOCHEMISTRY AND CYTOCHEMISTRY, 47(9), 1179-1188 CODEN: JHCYAS; ISSN: 0022-1554, 1999, XP002360485 das ganze Dokument; im besonderen, Seite 1180, Spalte 1, Zeilen 18-21 und der letzte Absatz; und Seite 1182, die Verbindung "Alexa 430"	13, 16-18, 22-26	X	WO 02/099077 A2 (PROTEOLOGICS, INC., USA) 12 December 2002 (2002-12-12) das ganze Dokument; im besonderen Seite 28, die Verbindung "Fluorescent coumarin 488"	17, 18, 22-26	-/-		
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Date of the actual completion of the international search 22 December 2005		Date of mailing of the international search report 05/01/2006												
Name and mailing address of the ISA European Patent Office, P.O. 5818 Patentamt 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 spo nl, Fax: (+31-70) 340-3016		Authorized officer Fink, D												

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X	<p>GB 2 044 258 A (CHINOIN GYOGYSZER ES VEGYESZETI TERMEKEK GYARA RT) 15 October 1980 (1980-10-15) das ganze Dokument; im besonderen, das Beispiel 1</p>	1-3,6
X	<p>GB 2 054 582 A (MATERIAL VEGYIPARI SZOEVEZET; HUMAN OLTOANYAGTERMELO ES KUTATO INTE) 18 February 1981 (1981-02-18) das ganze Dokument; im besonderen, die Beispiele</p>	1-3,5,6, 11,12
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X	<p>WO 88/08420 A (MATERIAL VEGYIPARI KISSZOEVEZET) 3 November 1988 (1988-11-03) das ganze Dokument; im besonderen, Anspruch 1 und Beispiel 6</p>	1-3,6
X	<p>WO 87/00048 A (FERRIS EPITOEIPARI) 15 January 1987 (1987-01-15) das ganze Dokument; im besonderen, die Verbindungen der Formel (I) und die Beispiele</p>	6,12
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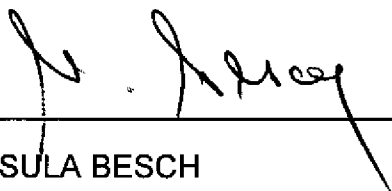
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VERIFICATION OF A TRANSLATION

I, Ursula Besch , resident of the United States, residing at 179-55 80th Rd, Jamaica Estates, N.Y. 11432, depose and state that:

1. I am familiar with the English and German languages.
2. I have read the attached International Search Report regarding PCT patent application no. PCT/EP2004/007248.
3. The hereto attached English language text is an accurate translation thereof.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued hereon.



URSULA BESCH

Date: June 5, 2006